

COORDINATING DRAFT**ANNEX C, APPENDIX 2
UNITED STATES DEPARTMENT OF ENERGY-RICHLAND OPERATIONS
EMERGENCY PLANNING ZONES AND
EMERGENCY CLASSIFICATIONS****I. United States Department of Energy Emergency Planning Zones****A. Plume Exposure Pathway Emergency Planning Zone**

The various facilities on the United States Department of Energy-Richland Operations (USDOE-RL) Hanford Site each has its own plume exposure pathway Emergency Planning Zone (EPZ). They are shown at Appendix 5 of this Annex. The counties involved are Benton, Franklin, and Grant.

B. Ingestion Exposure Pathway Emergency Planning Zone

The ingestion exposure pathway EPZ for USDOE-RL Hanford Site is the same 50-mile circle used for Washington Nuclear Project Number Two (WNP-2). It is also shown on the attached map. The ingestion counties include Adams, Benton, Franklin, Grant, Walla Walla, and Yakima.

II. United States Department of Energy-Richland Operations Emergency Classification Levels

These emergency classifications apply to USDOE-RL Hanford Site reactors and other onsite facilities, nuclear and non-nuclear, involved with radiological and/or hazardous materials. Unlike commercial nuclear power plants, such as WNP-2, USDOE-RL does not include an emergency classification titled Unusual Event.

A. Alert**1. Description**

An Alert represents that events are in progress or have occurred that involve an actual or potential substantial degradation of the level of safety at a facility. Any environmental releases of hazardous materials are expected to be limited to fractions of the appropriate PAG or Emergency Response Planning Guide (ERPG) at the facility boundary.

2. Actions

Appropriate state and county agencies are notified. The Washington State EOC and plume county EOCs are activated and provided current information on the event.

COORDINATING DRAFT**C. Site Area Emergency****1. Description**

A Site Area Emergency (SAE) represents events are in progress or have occurred that involve actual or likely major failure(s) of facility safety or safeguard systems needed for the protection of onsite personnel, the public health and safety, the environment, or national security. Any environmental releases of hazardous materials are expected to exceed the appropriate PAG or ERPG exposure levels at the facility boundary, but is expected to be less than these values at the Hanford Site boundary.

2. Actions

Appropriate state and county agencies are notified. The Washington State EOC and, plume and ingestion county EOCs are activated. Current information on the event is provided, automatic protective actions are initiated, and emergency workers dispatched.

D. General Emergency**1. Description**

A General Emergency (GE) represents events that are in progress or have occurred that involve actual or imminent catastrophic failure of facility systems, with potential for loss of confinement integrity, catastrophic degradation of facility protection systems threatening the integrity of a weapon or a test device, which could lead to substantial offsite impacts. Any environmental releases of hazardous materials can reasonably be expected to exceed the appropriate PAG or ERPG exposure levels at or beyond the Hanford Site boundary.

2. Actions

Appropriate state and county agencies are notified. The Washington State EOC and plume and ingestion county EOCs are activated. Current information on the event is provided, automatic protective actions are initiated, emergency workers dispatched, and to relocation and food control measures are considered and coordinated.